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PATENT

ABSTRACT

The present invention provides a method of hybridization, differential methylation hybridization (DMH) for high throughput methylation analysis of multiple CpG island loci.

5 DMH utilizes nucleic acid probes prepared from a cell sample to screen numerous CpG dinucleotide rich fragments affixed on a screening array. Positive hybridization signals indicate the presence of methylated sites. Methods of preparing the hybridization probes and screening array are also provided.